



**RAJASLOGRESS REPORT**  
OF  
**FOREST ADMINISTRATION.**  
IN THE



**Jodhpur State Rajputana,**

**FOR THE YEAR 1895-96.**

BY

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**1896.**



I. Chief features.

(1) Introduction of the lac insect into the forests.

(2) Fuel and fodder reserves were started in khalsa villages.

(3) Completion of the record of rights in the Raepur forests and publication of the final list of villages having rights in those forests. Preparation of the preliminary list of right holding villages in Ghanerno forests and the circulation thereof for the information of the right holders.

No change has taken place in the total area of the forests in the year under review. The proposal to extend the area is under the consideration of the Durbar.

II. Area.

Some of the pillars were again whitewashed and numbered to assist the settlement Department in measuring the boundary line, while the boundaries of almost all the forests have been measured and plotted on the settlement maps. The method adopted in cutting 7 miles of boundary line without any cost by the wood contractor is highly commendable.

III. Boundaries.

The number of offences against forest rules has diminished considerably. As a whole the Minas have given less trouble than before. The semi-wild tribes, *viz.*, the Grassias of Nana and Bern have taken a somewhat undue advantage of the leniency shown to them and have not yet given up the practice of bringing their sheep within the protected forest area.

IV. Breach of Forest rules.

Fire protection was equally successful as last year and 437 acres were burnt out of a total area of 1,74,720 acres of khalsa forest. Half of the area so burnt was due to the negligence of our neighbouring states, *viz.*, Meywar and Sirohi. It is to be regretted that no steps are taken by the Meywar villagers to put fires out on their side and the consequence is that their forests keep burning for days together and are a source of constant danger to the Marwar forests. Proper authorities have been addressed on the subject.

V. Forest fires.

There was an increase in the number of cattle which grazed during the year, as compared with the figures of the previous year. The partial failure of rains caused scarcity of fodder and right-holders, non-right holders and the Criminal Tribes had to be admitted in consequence for grazing. All the forests were, as usual, closed to grazing from the 1st August 1895 to 10th October 1895.

VI. Grazing.

There is great improvement in khair trees. The reproduction of Dhau as also that of Gorin Dhau, Gol, Tibru, Siris, Dhaman, Bore, Salar, &c., is fair in all forests.

VII. Natural reproduction.

The year was a trying season for artificial reproduction and want of moisture killed almost all the seedlings of the year.

VIII Artificial reproduction.

Steady and marked progress has been made in the arboricultural operations and 5,790 new plants were planted during the year. Owing to the deficiency of the rains the percentage of failure was greater than that of the last year. Much damage was done by antelop rats porcupines and a species of locusts called "khattida." In future fruit trees such as mangoes, Jamboos &c., are to be planted.

IX. Arboriculture at Jodhpur.

When the Jagirdar inspite of repeated reminders fails to furnish the full number of his contingent, the Department is allowed to employ mercenary sowars in place of the absentees and to submit the bill to the Jagir Bakshi for realization from the Jagirdars concerned.

X. Jamiat sowars in forest service.

The year was not so favorable to agriculture as was the previous and hence the demand of timber for house building fell off considerably. Removal of fuel, viz., fire wood and charcoal has increased. The number of bamboos sold was greater than that of the last year. The sum realized by the sale of grass and grazing fee is greater and so also is the sale proceeds of the minor forest produce.

XI. Yield and working

The total out-turn shows a net surplus of Rs. 4,919. Both the Raepur and the Ghanerao forests show an increase of revenue amounting respectively to Rs. 2,789 and Rs. 583 against Rs. 1,304 and Rs. 368 of the year previous.

XII Financial results.

The Jagirdars of Kot, Jujawar, Kantalia are awaiting final settlement, the preliminaries having already been settled.

XIII. Forest compensation.

The Jagirdar of Bagri has from time to time been offered villages the aggregate rental of which equalled the sum, adjudicated and accepted by the Jagirdar; but the closing of the bargain has been delayed by the lukewarmness and unreasonable demand of the Jagirdar.

Pandit Gokal Das the Superintendent continued to work efficiently and satisfactorily and credit is due to him for his economic and able management of the department.

XIV. Staff

Pancholi Lachman Das has been appointed an Assistant Superintendent. He is a hard working officer and takes great interest in his work.

Srinjali Rekheswar another Marwari youth passed the final examination at the Forest School with great credit standing 2nd in order of merit and getting a medal in sylviculture. He has been placed in charge of the fuel and fodder Reserves.

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**PROGRESS REPORT**  
**OF**  
**FOREST ADMINISTRATION**  
**IN THE**  
**MARWAR STATE**  
**INCLUDING ARBORICULTURE**  
**FOR**  
**1895-96.**

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**Introduction.**

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1. The chief features of the year under report were (a) the introduction of the lac insect (*coccus lacca*) into the forests and (b) the starting of village fuel and fodder reserves as suggested by Mr. Voelcker in his suggestions on improvement of Indian agriculture.

2. In October 1895 Assistant Superintendent Lachhman Das and Forest Ranger Gokal Chand were deputed to Rewah State (Central India) to practically study the lac operations there. They watched the procedure there under the guidance of the Forest Superintendent of that State and when the insects were in larvæ state and ready to swarm out they brought with them two baskets-full of stick lac (a lac insect in larvæ state) which were planted on to some 250 dhak (*Butia frondosa*) trees in the Desuri Forest. When the year closed the insects were making fair progress, but several enemies of the insects have since, appeared on the scene; (a) white ants have been kept away by constant sweepings, (b) ants both large and small are most troublesome, coaltar, wood ashes, kerosine oil and sugar, &c., have failed to prevent them from getting up trees. A separate report on lac work will be submitted when the experiment is over.

3. Two plots of waste land measuring about 120 acres were selected in Himlyawas khurd and Barsan villages in Sojat Pargana, with the consent of the villagers and sown with babul and dhak seeds. As the plots were taken in hand late in the season and the rains failed, the results were not satisfactory. Both dhak and babul germinated freely but owing to want of rains the seedlings died away. The experiment will, however, be carried on over a reasonable number of years and in more villages too.

4. Record of rights in the Raipur forests was completed and the final list of villages having rights in those forests was published. Preliminary list

right-holding villages in Ghanerao forests has since <sup>the</sup> close of the year, been prepared and circulated for the information of the right-holders.

5. The award of compensation of forests to the Jagirdars of Kot, Juja-war, Kantalia, and Bagri awaits final settlement—Preliminaries having already been settled.

## CHAPTER I.

### *Areas and Boundaries.*

6. No changes have taken place in the total area of the forests. Since the close of the year orders have been received to demarcate Barantia and Babra forests in Jaitaran Pargana.

7. The Superintendent's proposals about Parbatsar and Jaswantpura forests are still under the Musahib Ala's consideration.

### **Boundaries.**

8. Some of the pillars were again white washed and numbered to assist the Settlement Department in measuring the boundary line. Boundaries of almost all the forests have been measured and plotted on the Settlement maps. The work is now being checked by the munsims. This will finally settle the compensation awarded to the Jagirdars. Seven miles of a 30' wide line from pillar to pillar were cut in Nana, Behra and Sedla forests without any cost to the Department, as the work was done by a contractor who removed the fuel cut at 0-6-6 per cart load. This work is to be continued.

## CHAPTER II.

### *Surveying and Working Plans and Plan of operations.*

9. Provisions of a plan of operations approved by Mahakmakhas were fully carried out in Sojat Range but some of the works had to be postponed in Godhwar owing to the disturbances of the Bhomias.

10. The boundary line of the following forests was surveyed during the year.

*Godhwar Pargana.*—Nana, Bharund, Sedla, Behra, Bhatund, Bijapur, Gudhakalan, Sowari, Lunawas, Sadra, Lalara, Malari, Sadri, Rajpura, Mandigar, Arsipura, Joban, Ghanerao, Desuri, Lampi, Somesar Ghanthi, Vagol, Kot, Bansor, Halawat, Khera Kalyanpura and Bagora.

*Sojat Pargana.*—Baniamuli, Saran, Rasan, Jhalra, Borimadho, Sachar, Gaznai and Dhal.

*Jaitaran Pargana*.—Depawas and Giri (Raipur). With the exception of Dhal and Karma boundaries of all forests were checked. The Settlement officer has been requested to furnish this Department with tracings of Forest villages showing their boundary pillars.

## CHAPTER III.

### *Protection and Improvement.*

11. At the close of the year the Forest Conservancy Establishment consisted of

- 1 Superintendent.
- 1 Assistant Superintendent.
- 3 Forest Rangers (Raipur included).
- 1 Forester at Ghanerao.
- 38 Forest guards (Raipur and Ghanerao included).
- 1 English clerk.
- 1 Munshi.
- 4 Range Munshis (including Raipur).
- 3 Peons.
- 2 Khalasis.

12. 18 Jamiat Sawars are ordered for duty with the Forest Department, but all of them are seldom on duty. During the year under report work suffered good deal for want of Sawars. Extra peons had to be employed to bring dak for the Range officers. At present there are only 13 Sawars on duty out of 18. Bakhshi Jagir has been repeatedly addressed on the subject but without any result. To the Forest Department the Sawars are a necessity and they are considered as part of the regular establishment. The range officers have to send for their dak, they have to go into the forests among the grassias and criminal tribes. They have to carry money with them. The Sawars are of great use in collecting men for putting out fires and at the annual cutting and burning of fire lines.

13. Four forest guards were dismissed during the year for neglect of duty. One guard resigned and one Meena guard died from pneumonia.

14. Srimali A. Rekheskar passed the final examination at the Forest school and stood 2nd in order of merit, out of 29 successful candidates. He also got a bronze medal in sylviculture.

15. Babu Chatar Bhuj passed the admission examination and joined the Forest school in June 1895.

VIII A  
16. Pancholi Lachhman Das who passed his final examination in March 1895 was appointed an Assistant Superintendent on Rs. 100 per mensem. He is a hard working officer and takes great interest in his work. During the year he had charge of Desuri forest and gardens and lac operations; and since the close of the year Sojat range has also been put under him.

17. Ranger Jagan Nath referred to in para 16 of last year's report was repromoted to Rs. 50 from October 1895.

18. Relations between the Raipur Forest ranger Lala Doulat Ram and the Thikana were not satisfactory during the year, hence the Forest ranger has been transferred to Sojat range and Lala Jagan Nath Forest ranger sent in his place, with the condition that the Forest ranger will be under the direct orders of the Superintendent and that the Thikana will not make any changes in the establishment without consulting the Superintendent. The Forest ranger's Head quarters have also been changed from Raipur to Lawachan to avoid disputes between him and the Thikana people.

### **General Protection and breaches of the Law.**

19. As a whole the criminal tribes are giving less trouble than before, but the grassins of Nana and Behra still continue to graze sheep and goats in the forests. The reason is that too much leniency is shown to them.

20. The publication of the circular that forest produce purchased from criminal tribes and others without a permit from Forest Department, will be considered stolen property had, indirectly, salutary effect on the Meenas and Bhils who used to sell fuel and grass without permission.

21. The number of cases tried by Magistrates was very insignificant. Only one case was sent to court. Three cases were pending from last year. Of these three were disposed of during the year. Convictions were obtained in two cases involving 3 persons. Of course 3 cases (out of which one was for unauthorized cutting of wood and 2 for illegal grazing) were instituted by the Ghanerao forester in the local court of the jagirdar and they were all decided, resulting in the conviction of 6 offenders.

22. People are now becoming familiar with the Forest Regulations

and hence decrease in prosecutions. Petty cases were disposed of by compensation as shown below :—

| RANGE.            | CASES COMPOUNDED.   |                       |         | Average<br>per<br>case. |      | Average<br>per<br>person. |       | REMARKS. |
|-------------------|---------------------|-----------------------|---------|-------------------------|------|---------------------------|-------|----------|
|                   | Number of<br>cases. | Number of<br>persons. | Amount. |                         |      |                           |       |          |
| Godhwar ... ..    | 108                 | 308                   | 220 4 0 | 2                       | 1 0  | ...                       | 11 11 |          |
| Sojat ... ..      | 50                  | 71                    | 64 13 0 | 1                       | 4 0  | ...                       | 14 8  |          |
| Raipur ... ..     | 29                  | 39                    | 39 0 0  | 1                       | 5 0  | 1                         | 0 2   |          |
| Ghanerao ... ..   | ...                 | ...                   | ...     | ...                     | ...  | ...                       | ...   |          |
| Total 1893-96 ... | 187                 | 418                   | 333 9 0 | 1                       | 12 0 | ...                       | 12 0  |          |
| 1894-95 ... ..    | 131                 | 306                   | 469 3 0 | 3                       | 0 4  | 1                         | 3 4   |          |

23. There is a marked decrease in average amount of compensation both per case and person. The reason is that the form of damage done was of such a trifling character that a higher rate of compensation was not demanded.

### Grazing and Grass.

24 Sheep, goats and camels were not allowed to graze in any forest either on payment or otherwise. Of course the sheep and goats belonging to grassias continued to graze in Nana and Behra forests. As the settlement operations are still going on in the Grassia villages the guzaras for sheep and goats have not been yet, set apart and demarcated. The Superintendent has, however, submitted proposals for record of rights (including grazing) in these forests for the consideration of the Mahakma Khass.

25. As usual all the forests were closed to grazing from 1st August 1895 to 10th October 1895 and the number of cattle allowed to graze during the remaining months of the year compares as follows, with that of the previous year.

VIII A

| CATTLE.        |                |             |       |        | REMARKS.   |
|----------------|----------------|-------------|-------|--------|--|
| RANGE.         | Right holders. | Out-siders. | Free. | Total. |  |
| Godhwar ...    | 14,656         | 1,654       | ..... | 16,310 | * This number does not include sheep and goats (about 6,000) belonging to Grassias who graze them in Nana and Belra forests. |
| Sojat ...      | 4,883          | 328         | ..... | 5,211  |  |
| Raipur ...     | 599            | .....       | ..... | 999    |  |
| Ghanerao ...   | 82             | 35          | ..... | 117    |  |
| Total 1895-96. | 20,620         | 2,017       | ..... | 22,637 | † This number includes the above sheep and goats.  |
| Total 1894-95. | 21,251         | 93          | ..... | 21,344 |  |

26. The partial failure of rains caused scarcity of fodder. Therefore cattle belonging to right-holders, non-right-holders and criminal tribes had to be admitted for grazing and hence the increase in the number of cattle grazed.

27. For the same reason there was great demand for grass both by the right-holders and others. There was still ample supply of grass available in the upper portions of the forests.

28. The following is the statement of cattle impounded during the year :—

| RANGE.            | DESCRIPTION OF CATTLE. |            |                  |         | Total. | REMARKS. |
|-------------------|------------------------|------------|------------------|---------|--------|----------|
|                   | Cows.                  | Buffaloes. | Sheep and goats. | Others. |        |          |
| Godhwar ...       | 336                    | 44         | 1,772            | 48      | 2,200  |          |
| Sojat ...         | 336                    | 61         | 1,032            | 36      | 1,465  |          |
| Raipur ...        | 164                    | 9          | 417              | ...     | 590    |          |
| Ghanerao ...      | ...                    | .....      | .....            | ...     | .....  |          |
| Total 1895-96 ... | 836                    | 114        | 3,221            | 84      | 4,255  |          |
| Total 1894-95 ... | 493                    | 164        | 2,431            | 86      | 3,174  |          |

There is an increase in the number of cattle impounded owing partly to the inclusion of Raipur and Ghanerao figures in this report and partly to the vigilance on the part of the establishment.

### **Forest fires.**

29. Fire protection was as successful as before. 437 acres were burnt out of a total of 1,74,720 acres of Khalsa forest.

The expenditure (pay of firewatchers only) was Rs 310/ against Rs 323 in 1894-95.

30. In Gudha forest 4½ acres were burnt by a fire while burning the fire line.

31. In Nana forest 3 fires came from Meywar and Sirohi and burnt 224 acres.

32. In Seotalao, Bijapur, Sewari and Ganthi 197 acres were burnt by fires caused by the negligence of the wood cutters and graziers.

33. In Khoria forest 11½ acres were burnt by a fire caused by the honey contractor's men and as they confessed and assisted in putting out the fire they were let off after paying Rs. 25/ as compensation.

34. No fires occurred either in Raipur or Ghanerao forests, where fire watchers were for the first time entertained at a cost of Rs 13/ only.

35. Since the close of the year orders have been received to cut trees and shrubs out of the the main fire line between Meywar and Marwar.

36. It is to be regretted that no steps are taken by the Meywar villagers to put fires out on their side and their forests remain burning for several days together and are thus a source of constant danger to Marwar forest. During the fires season under report right-holders of Sadhri, Desuri and Ghanerao, &c., had to be posted on the line for several days to prevent the Meywar fires crossing line.

37. The Sirohi Forest Department took no steps to either cut or burn fire line between Sirohi and Marwar forests.

38. The Superintendent is glad to report that the right-holders, with few exceptions, understand their duty well in putting out fires and it is mainly due to their assistance that the Forest Department is able to show such a good result.

### **Natural Reproduction.**

39. This was an unfavorable year for reproduction. Since May 1894 Khair (*acacia catechu*) is neither sold nor given to right-holders and hence there is great improvement. Rains having failed most of the seedlings died



away during the hot months for want of moisture. Patches of fine Khair seedlings are found in all forests and in such places where there is long grass to protect them against frost. In open places where there is no grass, but there are parent trees, no Khair seedlings have been observed. Considering that these forests are open to grazing during 8 months of the year the reproduction of this species is fairly satisfactory.

40. 5 acres of a Khair producing area were fenced in Bharund forest to test the result of grazing in connection with the reproduction of this species. Formerly seedlings and saplings were cut both by the right-holders and the purchasers for trifling purposes and great damage was done to this valuable timber tree.

41. It is, however, to be regretted that there is no improvement in reproduction of this or other species near the Grassia villages of Nana and Behra.

42. *Dhau* (*anogeissus pendula*). Had it not been for the wonderful power of coppicing, this species would have disappeared from the Marwar forests long ago. It is used for buildings, agricultural implements and fuel. It is eaten both by camels and goats (fortunately not allowed since 1889), still the reproduction is fair in all forests. The Superintendent expects that as soon as the permit system is stopped in all the forests (It has already been stopped in several forests as explained in para 1 of last year's report) this species will produce fine timber trees for building purposes.

43. Next in importance are the gorla dhau (*anogeissus latifolia*) and gol (odina woodier) and their reproduction is good except in the vicinity of Grassia villages.

44. Tibru, Siri, Dhamun, Bor and Salar, &c., species are also doing well as regards reproduction.

45. 5 acres were coppiced in Sewari forests for supply of fuel to cavalry.

46. 20 acres in Kanuja and 55 acres in Kalap-kalan (Raipur) were coppiced. 10 acres were coppiced in Kanuja in 1891-95 and the coppice shoots of that year have made good progress.

47. The coppice shoots in Saran forest measure as follows:—

|                                 | 1893-94 | 1894-95 | 1895-96 |
|---------------------------------|---------|---------|---------|
|                                 | H.      | H.      | H.      |
| Dhau ( <i>a pendula</i> )       | 4'—6"   | 5'—9"   | 6'—3"   |
| Khair ( <i>acacia catechu</i> ) | 7—3     | 9—6     | 10—6    |
| Kolai ( <i>dichros tachis</i> ) |         |         |         |

|                      |     |      |      |
|----------------------|-----|------|------|
| cinerea)             | 8—0 | 9—3  | 10—0 |
| Bor (Ziziphus)       | 9—3 | 10—9 | 11—3 |
| Kuntia (acacia rupe- |     |      |      |
| tris)                | 5—6 | 6—9  | 7—0  |

### **Artificial Reproduction.**

48. It was a trying season for artificial reproduction. Want of moisture killed not only the seedlings of the year under report but hundreds of bamboo rhizomes which seemed to have well established along several ravines.

#### **Sojat Range.**

49. Previous year's bamboo rhizomes are making fair progress in Saran, Shiryari and Bansor forests. During the year under report 2,770 rhizomes were planted in Kot, Bansor, Shiryari, Saran and Kuntalia forests, but with the exception of 250 rhizomes in Saran and Shiryari forests all died away for want of water. Shisham plants of last year in Saran forest are still doing well.

50. Babul, Dhau, &c, seeds were sown in Kot, Bansor, Gudha, Khorla and Depawas forests but did not germinate well and the seedlings, which came up, died away for want of rains.

#### **Godhwar Range.**

51. A nursery was started at Sewari to supply plants to a new road from Sewari to Bili at a cost of Rs 29/. Mangoes, Mohura (*Cassia latifolia*) and Shisham seeds were sown. Only 100 mango seedlings germinated and with the exception of 18 all died away. 300 Mohura and 1,500 Shisham plants are still alive.

52. The Nagar nursery was kept up. Mangoes, Mohura and Shisham are all doing well here. 4,800 bamboo rhizomes were tried in Nana, Behra, Mandigar, Vagol and Ganthi forests but with the exception of some 60 all died away for want of water.

53. Two acres of babul sowings in Somesar forest had to be earthed up to provide site for a new village but no such village was founded.

54. As the rains failed sowings in other forests also failed.

### **Roads and Buildings.**

55. The cart track in Saran forest mentioned in para 43 of last year's report was extended to Bahar Police Chouki at a cost of Rs 124/. This road is very useful for extraction of forest produce, inspection purposes and isolation of the forest in case of a fire.

56. A new road 2 miles long, was made in Karwara forest at a cost of Rs 50/.

VIII :

57. A new cart track  $1\frac{1}{2}$  miles long was made in Gudha Ram Singh forest at a cost of Rs 11/.

58. Two inspection foot paths 6 miles long, were improved in Kantalin and Sachas forests at a cost of Rs 30/.

59. Old roads in Nana and Belra forests were repaired at a cost of Rs 12/.

60. A forest guard's chauki was made at Shiryari at a cost of Rs 31/.

61. A small rest house at Kot and the guard's huts at Belra and Latara were under construction when the year closed.

62. The old chaukis were repaired at a cost of Rs 37.

## CHAPTER IV.

### *Yield and Working.*

#### 63. Fuel and Timber:—

| De-scription.         | TIMBER.  |          | FUEL.    |          | REMARKS. |
|-----------------------|----------|----------|----------|----------|----------|
|                       | 1894-95. | 1895-96. | 1894-95. | 1895-96. |          |
| Removed by Raj Agency | 1,313    | 242      | 15,600   | 16,800   |          |
| „ „ Purchasers        | 80,302   | 41,943   | 1,99,264 | 1,87,584 |          |
| „ „ Free grants       | .....    | .....    | .....    | .....    |          |
| „ „ Right-holders     | 17,017   | 24,089   | 3,34,649 | 3,38,345 |          |
| Total ...             | 98,632   | 66,274   | 5,49,513 | 5,42,729 |          |

64. The year under report was not so favorable for agriculture as the previous one and consequently the demand for timber for house building was not so brisk.

#### 65. Minor Produce:—

| Description.              | VALUE.   |          | REMARKS. |
|---------------------------|----------|----------|----------|
|                           | 1894-95. | 1895-96. |          |
| Removed by Raj Agency ... | 897      | 1,162    |          |
| „ „ Purchasers ...        | 1,432    | 3,499    |          |
| „ „ Free grants ...       | .....    | .....    |          |
| „ „ Right-holders ...     | 10,258   | 8,633    |          |
| Total ...                 | 12,587   | 13,294   |          |

### I.—Departmental Operations.

#### (a) TIMBER.

66. 938 dandas were cut from Sanchias forest Sojat Range and sent to Jodhpur Depot for Arboriculture works. 179 dingars, 138 golias and 184

pagas were obtained from fire line cuttings and, &c. sold locally.

(b) FUEL.

VIII

67. 350 cart loads of fire wood were cut and collected from Sewari, Sadhri and Desuri forests out of which 310 cart loads were supplied to Military camps at Desuri and Sadhri and the rest sold locally.

68. Seven hundred maunds of charcoal were prepared in Nana and Behra forests. Out of these 321 maunds were sold locally, 314 maunds sent to Jodhpur Depot and 49 maunds to Desuri garden.

(c) BAMBOOS.

69. Two thousand six hundred bamboos were cut from Bijapur forest and sent to Jodhpur for Arboriculture works.

(d) MIXED PRODUCE.

70. One thousand maunds of grass from Joban and 198 maunds from Shiryari forest were cut and stacked to be used in case of scarcity of fodder. 1,665 maunds were obtained from right-holders of B and C villages under Pula system.

## II.—Removal of Produce by Purchasers.

(a) TIMBER.

71. 11,913 cft. of timber in logs and scantlings were removed by Purchasers against 80,320 in 1894-95. Decrease has already been explained in para 64

(b) FUEL.

72. 1,85,984 cft. of firewood and 400 maunds of charcoal were removed against 1,98,816 cft. of firewood and 112 maunds of charcoal in 1894-95.

(c) BAMBOOS.

73. 38,429 bamboos were sold from Bijapur, Sewari, Sadhri, Desuri, Vagol and Kautalia forests against 35,330 in 1894-95.

(d) GRASS AND GRAZING.

74. Rupees 889/ were realized by sale of grass and Rs. 856/ as grazing revenue against Rs. 41/ and Rs. 33/ respectively in 1894-95. Increase under this head was due to scarcity of fodder.

## 75. (e) MINOR PRODUCE.

| Description.               | VALUE.  |         | REMARKS.  |
|----------------------------|---------|---------|---|
|                            | 1894-95 | 1895-96 |   |
| Pala (Ziziphus leaves) ... | 2       | 57      |   |
| Mohya grass ...            | 135     | 135     |   |
| Khakha (dhak leaves) ...   | 28      | 26      |   |
| Honey and wax ...          | 212     | 254     |   |
| Mango fruits ...           | 3       | 6       |   |
| Mohua flowers ...          | 4       | 5       |   |
| Indigo shrubs ...          | 12      | 4       |   |
| Anwal bark ...             | 5       | 166     | Includes Rs 150/ to be recovered from Mahakma Khns as value of anwal given in contract. |
| Babul pods ...             | .....   | 30      |   |
| Micellaneous ...           | 164     | 193     |   |
| Total ...                  | 365     | 879     |   |

### III.—Free grants and removal by Right-holders.

76. No free grants were made during the year.

77. The right-holders removed Forest produce as follows:—

#### (a) TIMBER.

|  |             |
|--|-------------|
| 78. A. Class free of charge ...        | 20,660 cft. |
| B. and C. Classes at reduced rates ... | 3,429 „     |
| Total ...                              | 24,089      |

#### (b) FIRE WOOD.

|   |               |
|---|---------------|
| 79. A. and B Classes free of charge ... | 3,00,973 cft. |
| C. Class at reduced rates...            | 28,372 „      |
| Total ...                               | 3,35,345 cft. |

#### (c) BAMBOOS.

|                                       |       |
|---------------------------------------|-------|
| 80. A. Class free of charge ...       | ..... |
| B. and C Classes at reduced rates ... | 5,529 |
| Total ...                             | 5,529 |

## (d) GRASS AND GRAZING.

**Grass.**

|                                      |     |                 |
|--------------------------------------|-----|-----------------|
| 81. A. and B. Classes free of charge | ... | 1,06,846 mds.   |
| C. Class at reduced rates            | ... | 8,464 "         |
| <b>Total</b>                         | ... | <b>1,15,310</b> |

**Grazing.**

|                                    |     |               |                  |  |
|------------------------------------|-----|---------------|------------------|--|
| 82. A. Class free of charge        | ... | 5,619         | Heads of cattle. | { Sheep & goats<br>about 6000 be-<br>longing to<br>Girassians not<br>shown } |
| B and C. Classes at reduced rates. | ... | 13,920        | do.              |  |
| <b>Total</b>                       | ... | <b>19,539</b> |                  |  |

## (e) MONEY.

|                                    |     |              |             |
|------------------------------------|-----|--------------|-------------|
| 83. A. Class free of charge        | ... | ...          | .....       |
| B. and C. Classes at reduced rates | ... | 1,436        | Head loads. |
| <b>Total</b>                       | ... | <b>1,436</b> |             |

84 Raipur and Ghanerao have not supplied full information under this chapter hence the figures could not be included.

**CHAPTER V.****Financial Results.**

85. The following table shows financial results of the year compared with those of the last 6 years:—

| Particulars. | 1880-80. | 1890-01. | 1891-02. | 1892-03. | 1893-04. | 1894-05. | 1895-96. | Remarks.  |
|--------------|----------|----------|----------|----------|----------|----------|----------|---|
| Receipts ... | 5,399    | 20,918   | 30,754   | 6,691    | 10,372   | 24,764   | 22,084   | Compensation of Forest and cost of training of students at the Forest school paid direct by Mahl-mukhas, was not included in the financial results before 1894-95 |
| Charges ...  | 7,053    | 10,692   | 15,975   | 11,223   | 12,338   | 19,034   | 17,165   |   |
| Deficit ...  | 2,254    | ...      | ...      | 1,532    | ...      | ...      | ...      |   |
| Surplus ...  | ...      | 10,226   | 14,779   | ...      | 4,034    | 5,730    | 4,919    |   |

**Receipts.**

86. The fall in revenue was due to the year being not an year of prosperity for the rayats. The disturbances of the Ishumias, who took refuge in

the forests for a couple of months, also contributed towards the reduction of Forest revenue, as the work was practically at a stand-still during the two months.

### 87. Expenditure.

| Particulars.                 | 1894-95. | 1895-96. | REMARKS. |
|------------------------------|----------|----------|----------|
| A.—Conservancy and works ... | 7,132    | 4,155    | —2,977   |
| B.—Establishment ...         | 11,902   | 13,010   | +1,108   |

The reason of decrease under A. is that timber operations could not be carried on owing to the disturbances of the Bhomias and that of increase under B. is due to the appointment of Assistant Superintendent.

88. The receipts and charges of the past two years compare as follows under the 3 main heads:—

| Year.       | TIMBER AND OTHER<br>DEPARTMENTAL<br>OPERATIONS. |          | OTHER REVENUE. |          | Forma-<br>tion im-<br>prove-<br>ment and<br>exten-<br>sion of<br>forests. | TOTAL.    |          | Remarks. |
|-------------|---|----------|----------------|----------|---|-----------|----------|----------|
|             | Receipts.                                       | Charges. | Receipts.      | Charges. |   | Receipts. | Charges. |          |
| 1894-95 ... | 3,303   | 2,011    | 21,371         | 12,000   | 3,754   | 24,704    | 10,034   |          |
| 1895-96 ... | 2,202   | 828      | 19,702         | 13,730   | 2,007   | 22,084    | 17,105   |          |

89. It must also be noted that value of produce given to right holders free of charge and difference of that of produce given at reduced rates comes to Rs. 15,000.

90. According to Departmental accounts the expenditure is Rs. 14,158/ which is less by Rs. 266/ than that of the previous year; but Rs. 2,037/ (charged to A. conservancy) as forest compensation and Rs. 970/ (charged to B. Establishment) as cost of training of students at the Forest school, disbursed direct by Mahakama Khas, have also been included.

91. The financial results of Raipur and Ghanerao Jagir forests stand as follows:—

### Raipur.

|             |     | 1895-96.      | 1894-95.      |
|-------------|-----|---------------|---------------|
| Revenue     | ... | 4,078/        | 2,597/        |
| Expenditure | ... | 1,289/        | 1,293/        |
| Surplus     | ... | <u>2,789/</u> | <u>1,304/</u> |



**Ghanerao.**

|             |     | 1893-96.        | 1894-95.    |
|-------------|-----|-----------------|-------------|
| Revenue     | ... | ... 800/        | 608/        |
| Expenditure | ... | ... 217/        | 240/        |
| Surplus     | ... | ... <u>583/</u> | <u>368/</u> |

92. The Raipur forest revenue can not be expected to stand so high for ever. For the last five or six years the Jagirdar could not sell any produce and the accumulated fuel has been disposed of during the past two years. Another reason for a better revenue is that these forests are situated close to the Railway stations and the best markets, *i. e.*, Ajmere and Beawar and consequently better prices could be obtained for fuel from these forests.

93. The Ghanerao Jagirdar does not sell forest produce to purchasers but simply to the right holders.

**CHAPTER VI.*****Arboriculture and Gardens.***

94. During the year under report the Desuri palace gardens were also made over to the Department and a new garden was started at Ratanada tank.

95. The ravages of the antelope rats, porcupines and a species of locusts (*didymus*) were so disastrous that 421 nim, 390 shisham, 144 siri, 210 mangoes, 200 jamans and 72 badla plants, both in plantations and along roads, were totally destroyed by them. The gaps had to be refilled in February 1896.

96. Owing to the deficiency of rains no more plantations were started and hence the area of plantations was 155 acres at the close of the year.

97. 5,790 new plants were planted during the year as follows:—

|                              |     |     |     |
|------------------------------|-----|-----|-----|
| Jalori gate roads            | ... | ... | 320 |
| Pandit Sukhdeo Parsad's road | ... | ... | 107 |
| Musahib Ala's bungalow road  | ... | ... | 226 |
| Sojitia gate road            | ... | ... | 523 |
| Chandmari road               | ... | ... | 629 |
| Race course road             | ... | ... | 152 |

|                       |     |     |     |              |
|-----------------------|-----|-----|-----|--------------|
| Mertia gate road      | ... | ... | ... | 373          |
| Rni-ka-bagh road      | ... | ... | ... | 101          |
| Mandor road           | ... | ... | ... | 415          |
| Circular road         | ... | ... | ... | 203          |
| Chhitar hill          | ... | ... | ... | 859          |
| Bada Bhaker           | ... | ... | ... | 304          |
| Sardar Rasala         | ... | ... | ... | 120          |
| Miscellaneous         | ... | ... | ... | 197          |
| Ratanada garden       | ... | ... | ... | 305          |
| Desuri palace gardens | ... | ... | ... | 956          |
| Total                 |     |     |     | <u>5,790</u> |

Of these 2,142 were shisham, 1,038 nim. 185 siris, 1,200 mangoes, and the rest 925 miscellaneous fruit trees.

98. 335 mangoes were planted along the Mandor road and 218 at Bada Bhaker and with the exception of few which died during May and June 1896, all are doing well.

99. 200 mango grafts planted in Desuri gardens have suffered much during the hot weather but 194 country mangoes in the same gardens have well stood the hot weather of 1896. Of course they had all to be shaded during the winter and hot season.

100. 230 red *kclàs*, 48 *supàris* and 49 cocoanuts were sent for from Bombay for Desuri gardens and they have also suffered more or less in the hot season *suparis* have all died but cocoanuts are doing well in shady places.

101. Balsamand, Mandor and Bada Bhaker soil well suits the mangoes and had it not been for the ravages of the didymus, the Balsamand mango plantation would have been in a very thriving condition by this time.

102. Jaman and nim are doing well at the Chhitar hill and eye is gladdened to see verdure in portions of the once wholly naked hill.

103. Nurseries at Jodhpur and Balsamand were kept up.

104. Tun is never likely to succeed here, many plants died during the hot season.

105. 1,331 plants were sold from nurseries for Rs. 80-1-0

106. 3,079 kaoha and 843 pacca golras, were made for the protection of plants.

107. 17,065 cfts. of stone walling was made at Bada Bhaker and Chhitar. They serve as retaining walls and at Bada Bhaker these walls are a protection against wild animals.

108. Two kacha roads were laid out and prepared by the Department near His Highness' bungalow.

109. The Residency well, water of which, was considered unfit for grass, was repaired and its bottom thoroughly cleaned, and strange to say the water has done no harm to the grass or trees and it is now being used for the plants, vegetables and grass. This arrangement will effect a saving in the expenditure.

110. Two pacca bands were made at Bada Bhakar at a cost of Rs. 1,270 which was however, charged to Public Works Department.

111. A portion of the site for the Ratanada garden was levelled at a cost of Rs. 387 which were also charged to the Public Works Department.

112. The fences of the Desuri gardens were repaired and the 6 old wells put in order. A new well was started in Tejelao garden but not finished when the year closed. This well, when ready, will be used both for mangoes and lucerne grass.

### **Financial.**

113. Rs. 756 were realized by sale of grass from the plantations and Rs. 400 worth of grass was used Departmentally for Raj bullocks.

114. Rs. 109 were realized as compensation for damage done to plants.

115. Expenditure rose from Rs. 18,938 to Rs. 25,855 on account of the addition of Desuri palace gardens. Below are the details of the expenditure:—

|                               | 1894-95. | 1895-96. |
|-------------------------------|----------|----------|
| Protective establishment ...  | 907      | 1,141    |
| Office „ ...                  | 226      | 224      |
| Temporary „ ...               | 155      | .....    |
| Watering ...                  | 7,382    | 8,759    |
| Malis ...                     | 2,468    | 2,932    |
| Working of wells ...          | 701      | 788      |
| Feed and keep of bullocks ... | 1,150    | 2,692    |
| Nurseries and planting ...    | 1,597    | 837      |
| Fencing ...                   | 1,644    | 1,280    |
| Tools ...                     | 43       | 8        |

|                   |     |                   |                   |
|-------------------|-----|-------------------|-------------------|
| Bada Bhakar ...   | ... | 928               | 512               |
| Chhitar ...       | ... | 471               | 101               |
| Miscellaneous ... | ... | 1,266             | 1,266             |
| Gardens ...       | ... | .....             | 5,315             |
|                   |     | <u>          </u> | <u>          </u> |
| Total ...         | ... | <u>18,938</u>     | <u>25,855</u>     |

116. The following forms and returns accompany the report:—

List showing villages having rights in the forests. (Appendix A.)

List showing rates according to which forest produce is given to right holders (Appendix B.)

|      |     |     |    |
|------|-----|-----|----|
| Form | ... | No. | 49 |
| "    | ... | "   | 50 |
| "    | ... | "   | 51 |
| "    | ... | "   | 54 |
| "    | ... | "   | 55 |
| "    | ... | "   | 56 |
| "    | ... | "   | 58 |
| "    | ... | "   | 59 |
| "    | ... | "   | 60 |
| "    | ... | "   | 61 |
| "    | ... | "   | 62 |

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| No. | Names of Forests. | I. Class villages.  | II. Class villages.       | III. Class villages.   | Remarks. |
|-----|-------------------|---|---------------------------|--|----------|
| 3   | Behra             | Falanja<br>Danbarri<br>Kankrali<br>Kheterli<br>Malankachhap-<br>ra<br>Kundawa<br>Sankra<br>Koria<br>Goria<br>Kurn<br>Bab<br>Palasia<br>Jhalwa | Behra<br>Sedla            | Kuntia<br>Kothar<br>Sena<br>Rughnath-<br>pura<br>Mori<br>Dudni                       |          |
| 4   | Bhatund           |   | Bhatund                   |  |          |
| 5   | Bijapur           | Nagar<br>Kundal   | Bijapur                   | Chhota guda<br>Padaria   |          |
| 6   | Mota guda         |   | Mota guda                 |  |          |
| 7   | Sewari            | Pipalia   | Sewari<br>Lunawa,<br>Bali | Mirgar<br>Karanwa<br>Patawa<br>Barwa<br>Chhechli                                     |          |
| 8   | Sadra             |   | Sadra                     |  |          |
| 9   | Lalara            |   | Lalara                    | Lalrai<br>Dungli<br>Kot<br>Punaria<br>Tipri<br><br>Sadulwas<br>Kerapura<br>Dantiwara |          |
| 10  | Seotalao          |   | Seotalao                  |  |          |
| 11  | Malari            |   | Malari                    |  |          |

| No. | Names of Forests. | I. Class village. | II. Class villages.   | III. Class villages.                                     | Remarks. |
|-----|-------------------|-------------------|---|--|----------|
| 12  | Sadri             | Ranpur            | Sadri<br>Chorbacri  | Mada<br>Morkha<br>Mundara<br>Juna<br>Mothana<br>Sindarli |          |
| 13  | Rajpura           |                   | Rajpura   |  |          |
| 14  | Mandigar          |                   | Mandigar  | Guda Jatan<br>GudaSutaran                                |          |
| 15  | Arsipura          |                   | Arsipura  |  |          |
| 16  | Joban             |                   | Joban   |  |          |
| 17  | Desuri            |                   | Desuri  | Birampura  |          |
| 18  | Lampi             |                   | Lampi   |  |          |
| 19  | Somesar           |                   | Somesar   | Guda As-<br>karn<br>Tisbi                                |          |
| 20  | Ganthi            |                   | Ganthi  |  |          |
| 21  | Bagol             |                   | Bagol<br>hanklawas  | Guda Deoran<br>Magarta-<br>lao<br>Kolar                  |          |
| 22  | Kot               |                   | Kot<br>Guda Kitan<br>Guda Dew-<br>ran<br>Samarian<br>Nawagaon | Panota<br>Sonigari                                       |          |

| No. | Names of Forests. | I. Class villages. | II. Class villages. | III. Class villages.     | Remarks.   |
|-----|-------------------|--------------------|---------------------|--------------------------|--|
| 23  | Guda Gopi-Nath    |                    | Guda Gopi-Nath      | Uharanbera Sodhaka-Dhana |  |
| 24  | Bansor            |                    | Bansor              | Sansri Choki Asan        |  |
| 25  | Kalyanpura        |                    |                     |                          | Deserted village.                                  |
| 26  | Salawat           |                    | Salawat             |                          |  |
| 27  | Dhelpura          |                    | Dhelpura            |                          |  |
| 28  | Dhana             |                    | Dhana               |                          |  |
| 29  | Guda Bhop-Singh   |                    | Guda Bhop-Singh     |                          |  |
| 30  | Karwara           |                    | Karwara             | Juawar                   | The Thakur himself has 2nd class right in Karwara. |
| 31  | Bagora            |                    | Bagora              |                          |  |
| 32  | Boglan            |                    | Boglan Guda Gangra  | Guda-Bhopa               |  |
| 33  | Karmal            |                    | Karmal              |                          |  |
| 34  | Dhal              |                    | Dhal                | Asinmelra                |  |



| No. | Names of Forests. | I. Class villages. | II. Class villages.                     | III Class villages.          | Remarks.   |
|-----|-------------------|--------------------|---|------------------------------|--|
| 35  | Phulad            | Gawar-Phulad       | Phulad<br>Guda Raiji                    |                              |  |
| 36  | Dingor            |                    | Dingor                                  | Bania Mali<br>Guda Sur-Singh |  |
| 37  | Shiryari          |                    | Shiryari<br>Mal Shiryari<br>Guda Punam  | Suchana                      |  |
| 38  | Guda Dhamata      | Guda Dhamata       |   |                              |  |
| 39  | Bori Madho        |                    | Bori Madho<br>Guda Rawat<br>Guda Maila  |                              |  |
| 40  | Rad Jhalra        |                    | Rad Jhalra<br>Gawar Jamura              |                              | For cattle kept for grazing only fees @ 3rd class rates will be charged. |
| 41  | Saran             |                    | Saran<br>Oda Bharata                    |                              |  |
| 42  | Nimri             |                    | Nichli Nimri<br>Uperli Nimri<br>Telpura |                              |  |
| 43  | Sichias           |                    | Sichias<br>Mundia Khurd<br>Mundia Kalan |                              |  |

ANNUAL FORM NO. 49.

Forest Department, Marwar State. Area of the Forest 1895-96.

| State. | Range.      | AREA ON 1ST<br>APRIL 1895. |  | Added<br>during<br>the year. | Exclud-<br>ed or<br>trans-<br>ferred to<br>other<br>heads. | AREA ON 1ST<br>APRIL 1896. |  | Number and date<br>of Khyat of<br>addition and<br>transfers. | REMARKS. |
|--------|-------------|----------------------------|--|------------------------------|--|----------------------------|--|--|----------|
|        |             | Acres.                     | Equiva-<br>lent in<br>square<br>miles. |                              |  | Acres.                     | Equiva-<br>lent in<br>square<br>miles. |  |          |
|        | Godhwar     | 1,33,120                   | 208                                    | .....                        | .....  | 1,33,120                   | 208                                    | .....  |          |
|        | Sojat       | 41,600                     | 65                                     | .....                        | .....  | 41,600                     | 65                                     | .....  |          |
|        | Total       | 1,74,720                   | 273                                    | .....                        | .....  | 1,74,720                   | 273                                    | .....  |          |
|        | Raipur      | 8,320                      | 13                                     | .....                        | .....  | 8,320                      | 13                                     | .....  |          |
|        | Ghanerao    | 5,120                      | 8                                      | .....                        | .....  | 5,120                      | 8                                      | .....  |          |
|        | GRAND TOTAL | 1,88,160                   | 291                                    | .....                        | .....  | 1,88,160                   | 294                                    | ....   |          |

# ANNUAL FORM NO. 50.

Forest Department, Marwar State. Register of Branches of Forest Rules during 1895-96.

| Forest range and civil Pargana.          | Cases pending from 1891-93. | NEW CASES OF THE YEAR.    |   |   |                 |                                  |        | Total cases. | DISPOSED OF DURING THE YEAR. |               |        |          |     |     | Cases pending at close of the year. | Remarks. |
|--|-----------------------------|---------------------------|---|---|-----------------|----------------------------------|--------|--------------|------------------------------|---------------|--------|----------|-----|-----|-------------------------------------|----------|
|  |                             | Injury to Forest by fire. | Unauthorized felling or appropriation of wood and timber produce. | (Trading without permission or in tract in which grazing is prohibited. | Other offences. | Total new cases during the year. | Cases. |              | Persons.                     | Acquit- tals. | Cases. | Persons. |     |     |                                     |          |
| A.—Cases tried by Magistrates—           | 2                           | ..                        | 1   | .....   | ..              | 1                                | 3      | 1            | 1                            | 2             | 1      | 1        | 3   | 1   | 1                                   |          |
| Gadhwar ..                               | 1                           | ..                        | .....   | .....   | ..              | ..                               | 1      | 1            | 1                            | 1             | ..     | ..       | 1   | 1   | .....                               |          |
| Sojat ..                                 | ..                          | ..                        | ..  | .....   | ..              | ..                               | ..     | ..           | ..                           | ..            | ..     | ..       | ..  | ..  | ..                                  |          |
| Total ..                                 | 3                           | ..                        | 1   | .....   | ..              | 1                                | 4      | 2            | 3                            | 3             | 1      | 1        | 3   | 1   | 1                                   |          |
| Raipur ..                                | .....                       | ..                        | .....   | .....   | ..              | 2                                | ..     | 2            | 6                            | 6             | ..     | ..       | 2   | 6   | .....                               |          |
| Ghanerao ..                              | .....                       | ..                        | .....   | .....   | ..              | ..                               | 2      | 2            | 6                            | 6             | ..     | ..       | 2   | 6   | .....                               |          |
| Grand Total ..                           | 3                           | ..                        | 1   | 2   | ..              | 3                                | 6      | 4            | 9                            | 9             | 1      | 1        | 5   | 10  | 1                                   |          |
| B.—Cases compounded by Forest officials— | .....                       | 1                         | 73  | 33  | 1               | 108                              | 103    | 108          | 308                          | ...           | ...    | ...      | 108 | 308 | .....                               |          |
| Gadhwar ..                               | .....                       | 1                         | 35  | 8   | 3               | 50                               | 50     | 50           | 71                           | ...           | ...    | ...      | 30  | 71  | .....                               |          |
| Sojat ..                                 | .....                       | 2                         | 111   | 41  | 1               | 153                              | 153    | 153          | 370                          | ...           | ...    | ...      | 153 | 370 | .....                               |          |
| Total ..                                 | .....                       | ..                        | 18  | 11  | ..              | 29                               | 29     | 29           | 39                           | ...           | ...    | ...      | 29  | 39  | .....                               |          |
| Raipur ..                                | .....                       | ..                        | .....   | .....   | ..              | ..                               | ..     | ..           | ..                           | ...           | ...    | ...      | ..  | ..  | .....                               |          |
| Ghanerao ..                              | .....                       | ..                        | .....   | .....   | ..              | ..                               | ..     | ..           | ..                           | ...           | ...    | ...      | ..  | ..  | .....                               |          |
| Grand Total ..                           | .....                       | 2                         | 120   | 52  | 1               | 187                              | 187    | 187          | 418                          | ...           | ...    | ...      | 187 | 418 | .....                               |          |
| Great Grand Total ..                     | 3                           | 2                         | 130   | 51  | 1               | 190                              | 193    | 191          | 427                          | 1             | 1      | 1        | 192 | 423 | 1                                   |          |

# ANNUAL FORM NO. 51.

Forest Department, Marwar State. Area of Forest tracts protected from fire during the dry season of 1896 to accompany report for 1895-96.

| Range.    | Forest tracts. | Year in which protection commenced. | Area actually protected up to 15th June 1895. | During dry season 1896.         |           |                     | Cost during the season. | REMARKS. |
|-----------|----------------|-------------------------------------|---|---------------------------------|-----------|---------------------|-------------------------|----------|
|           |                |                                     |   | Area attempted to be protected. | Failures. | Actually protected. |                         |          |
| Godhwar   | Sewari Block   | 1891                                | 113,490                                       | 113,600                         | 384       | .....               | 121                     |          |
|           | Desuri "       | .....                               | 19,417  | 19,320                          | 37        | .....               | 38                      |          |
|           | Kantalia "     | .....                               | 41,134  | 41,600                          | 16        | .....               | 151                     |          |
|           | Total          | .....                               | 174,371                                       | 171,720                         | 437       | .....               | 310                     |          |
| Raipur    | .....          | 1894                                | 8,320   | 8,320                           | .....     | 8,320               | .....                   |          |
| Ghanernao | .....          | 1894                                | 5,120   | 5,120                           | .....     | 5,120               | 13                      |          |
|           | Grand Total    | .....                               | 187,811                                       | 188,160                         | 437       | 13,440              | 323                     |          |

# ANNUAL FORM NO. 54.

Forest Department, Marwar State. Outturn (in cubic feet solid) of timber and fuel during the year 1895-96.  
and Agency of exploitation.

| RANGE. | TIMBER IN THE ROUGH LOGS. |             |              |                | TIMBER IN THE ROUGH PILES. |             |             |              | SAWAN OR SOUGH TIMBER. |        |             |             | MISCELLANEOUS. |                |       |             | FUEL.       |              |                |         |
|--------|---------------------------|-------------|--------------|----------------|----------------------------|-------------|-------------|--------------|------------------------|--------|-------------|-------------|----------------|----------------|-------|-------------|-------------|--------------|----------------|---------|
|        | Raj Agency.               | Purchasers. | Free grants. | Right holders. | Total                      | Raj Agency. | Purchasers. | Free grants. | Right-holders.         | Total  | Raj Agency. | Purchasers. | Free grants.   | Right holders. | Total | Raj Agency. | Purchasers. | Free grants. | Right holders. | Total.  |
| Godwar | ..                        | ..          | ..           | ..             | ..                         | 41          | 20,941      | ..           | 8,375                  | 33,200 | ..          | ..          | ..             | ..             | ..    | 16,800      | 175,376     | ..           | 230,031        | 120,127 |
| Sojat  | ..                        | ..          | ..           | ..             | ..                         | 108         | 15,102      | ..           | 15,711                 | 31,011 | ..          | ..          | ..             | ..             | ..    | ..          | 15,203      | ..           | 98,301         | 113,602 |
| Total  | ..                        | ..          | ..           | ..             | ..                         | 242         | 41,943      | ..           | 24,080                 | 60,271 | ..          | ..          | ..             | ..             | ..    | 16,800      | 197,381     | ..           | 339,315        | 342,730 |
|        |                           |             |              |                |                            |             |             |              |                        |        |             |             |                |                |       |             |             |              |                | 609,003 |

# ANNUAL FORM NO. 55.

Forest Department, Marwar State. Outturn of Minor produce during the year 1895-96.

| RANGE.  | DESCRIPTION OF PRODUCE. | PRODUCE REMOVED OR UTILIZED. |        |             |        |              |        |                |        |           |        | Remarks. |
|---------|-------------------------|------------------------------|--------|-------------|--------|--------------|--------|----------------|--------|-----------|--------|----------|
|         |                         | RAJ AGENCY.                  |        | PURCHASERS. |        | FREE GRANTS. |        | LIGHT-HOLDERS. |        | TOTAL.    |        |          |
|         |                         | Quantity.                    | Value. | Quantity.   | Value. | Quantity.    | Value. | Quantity.      | Value. | Quantity. | Value. |          |
| Godhwar | Bamboos ...             | 2,600                        | 208    | 34,123      | 783    | ...          | ...    | 1,223          | 14     | 37,946    | 1,002  |          |
|         | Grass (maunds)          | 1,900                        | 634    | ...         | ...    | ...          | ...    | ...            | ...    | 1,900     | 634    |          |
|         | Do. (Head loads)        | ...                          | ...    | 7,965       | 124    | ...          | ...    | 4,118          | 28     | 12,353    | 147    |          |
|         | Do. (cart loads)        | ...                          | ...    | 2,473       | 717    | ...          | ...    | 7,500          | 2,875  | 9,973     | 3,592  |          |
|         | Grazing (cattle)        | ...                          | ...    | 1,654       | 719    | ...          | ...    | 14,656         | 4,140  | 16,310    | 4,859  |          |
|         | Pala (cart loads)       | ...                          | ...    | 93          | 47     | ...          | ...    | ...            | ...    | 93        | 47     |          |
|         | Mohya (Head loads)      | ...                          | ...    | 2,202       | 138    | ...          | ...    | 1,436          | 47     | 3,638     | 185    |          |
|         | Khaka (Dhak leaves)     | ...                          | ...    | 335         | 11     | ...          | ...    | ...            | ...    | 335       | 11     |          |
|         | Honey and wax           | ...                          | ...    | ...         | 181    | ...          | ...    | ...            | ...    | ...       | 184    |          |
|         | Mohura flowers          | ...                          | ...    | ...         | 5      | ...          | ...    | ...            | ...    | ...       | 5      |          |
|         | Anwal bark              | ...                          | ...    | ...         | 116    | ...          | ...    | ...            | ...    | ...       | 116    |          |
|         | Babul pods              | ...                          | ...    | ...         | 30     | ...          | ...    | ...            | ...    | ...       | 30     |          |
|         | Miscellaneous           | ...                          | ...    | ...         | 142    | ...          | ...    | ...            | ...    | ...       | 142    |          |
|         | Total ...               | 4,500                        | 842    | 48,785      | 3,013  | ...          | ...    | 29,263         | 7,099  | 82,548    | 10,954 |          |

# ANNUAL FORM NO. 55.—Continued.

Forest Department, Marwar State. Outturn of Minor produce during year 1895-96.

| Range.       | Description of produce. | PRODUCE REMOVED OR UTILIZED. |        |             |        |              |        |                |          |           |          | Remarks. |
|--------------|-------------------------|------------------------------|--------|-------------|--------|--------------|--------|----------------|----------|-----------|----------|----------|
|              |                         | RAJ AGENCY.                  |        | PURCHASERS. |        | FREE GRANTS. |        | RIGHT-HOLDERS. |          | TOTAL.    |          |          |
|              |                         | Quantity.                    | Value. | Quantity.   | Value. | Quantity.    | Value. | Quantity.      | Value.   | Quantity. | Value.   |          |
| Soyat Range. | Brought forward         | 4,500                        | 842    | 48,785      | 3,013  | ...          | ...    | 29,263         | 7,099    | 82,548    | 10,951   |          |
|              | Bamboos                 | ...                          | ...    | 4,306       | 100    | ...          | ...    | ...            | ...      | 4,306     | 100      |          |
|              | Grass (maunds)          | 963                          | 320    | ...         | ...    | ...          | ...    | ...            | ...      | 963       | 320      |          |
|              | Do. (Head loads)        | ...                          | ...    | 280         | 4      | ...          | ...    | 80,874         | 421      | 81,154    | 425      |          |
|              | Do. (cart loads,        | ...                          | ...    | 168         | 44     | ...          | ...    | 17             | 4        | 185       | 48       |          |
|              | Grazing (cattle)        | ...                          | ...    | 328         | 131    | ...          | ...    | 4,883          | 1,109    | 5,311     | 1,240    |          |
|              | Pala (carts)            | ...                          | ...    | 20          | 10     | ...          | ...    | ...            | ...      | 20        | 10       |          |
|              | Khaka (Dhak leaves)     | ...                          | ...    | 480         | 13     | ...          | ...    | ...            | ...      | 480       | 15       |          |
|              | Honey and wax           | ...                          | ...    | ...         | 70     | ...          | ...    | ...            | ...      | ...       | 70       |          |
|              | Mango fruits            | ...                          | ...    | ...         | 6      | ...          | ...    | ...            | ...      | ...       | 6        |          |
|              | Indigo shrubs           | ...                          | ...    | ...         | 4      | ...          | ...    | ...            | ...      | ...       | 4        |          |
|              | Amul barks              | ...                          | ...    | ...         | 30     | ...          | ...    | ...            | ...      | ...       | 30       |          |
|              | Miscellaneous           | ...                          | ...    | ...         | 32     | ...          | ...    | ...            | ...      | ...       | 32       |          |
|              | Total                   | ...                          | 5,163  | 1,162       | 54,867 | 3,499        | ...    | ...            | 1,15,037 | 8,633     | 1,74,867 | 13,294   |





# ANNUAL FORM NO. 56. (Continued.)

Forest Department, Murwar State. Account of Timber and other produce cut or collected by Ray Agency and brought to sale Depots or sold locally during the year 1895-96.

| Particulars.                 | No. or quantity. | Cubic feet. | TOTAL OF EACH HEAD. |             | Particulars.                                    | No. or quantity. | Cubic feet. | TOTAL OF EACH HEAD. |             |
|------------------------------|------------------|-------------|---------------------|-------------|---|------------------|-------------|---------------------|-------------|
|                              |                  |             | No. or quantity.    | Cubic feet. |   |                  |             | No. or quantity.    | Cubic feet. |
| Pagas...                     | ...              | ...         | 21                  | ...         | Bahul chokhats ...                              | ...              | ...         | 2                   | ...         |
| Sojat Range.                 | ...              | ...         | 138                 | ...         | Ballies ...                                     | ...              | ...         | 9                   | ...         |
| Dandas                       | ...              | ...         | 179                 | ...         | Thikri ...                                      | ...              | ...         | 1                   | ...         |
| Dingars                      | ...              | ...         | ...                 | ...         | ...   | ...              | ...         | ...                 | ...         |
| Total true receipts          | ...              | ...         | ...                 | ...         | Total   | ...              | ...         | ...                 | ...         |
| II. Cross receipts           | ...              | ...         | ...                 | ...         | Struck off on account of being damaged or lost. | ...              | ...         | ...                 | ...         |
| Transferred to other depots. | ...              | ...         | ...                 | ...         | Sojat range.                                    | ...              | ...         | ...                 | ...         |
| Jodhpur Sub-range.           | ...              | ...         | ...                 | ...         | Dandas  | ...              | ...         | ...                 | ...         |
| Dandas                       | ...              | ...         | ...                 | ...         | ...   | ...              | ...         | ...                 | ...         |
| Total cross receipts         | ...              | ...         | ...                 | ...         | Total   | ...              | ...         | ...                 | ...         |
| Total receipts               | ...              | ...         | ...                 | ...         | II. Cross disposals.                            | ...              | ...         | ...                 | ...         |
| Grand Total                  | ...              | ...         | ...                 | ...         | Transferred to other depot.                     | ...              | ...         | ...                 | ...         |
|                              |                  |             |                     |             | Sojat range.                                    | ...              | ...         | ...                 | ...         |
|                              |                  |             |                     |             | Dandas  | ...              | ...         | ...                 | ...         |
|                              |                  |             |                     |             | Total   | ...              | ...         | ...                 | ...         |
|                              |                  |             |                     |             | Balance at close of the year.                   | ...              | ...         | ...                 | ...         |
|                              |                  |             |                     |             | Jodhpur Sub-range.                              | ...              | ...         | ...                 | ...         |
|                              |                  |             |                     |             | Dandas  | ...              | ...         | ...                 | ...         |

# F I R E W O O D.

|                                      |       |       |
|--------------------------------------|-------|-------|
| Balance at commencement of the year. |       |       |
| Sojat range                          | 40    |       |
| Jodhpur range                        | 1,652 | 1,692 |
| Total                                |       | 1,692 |
| RECEIPTS—                            |       |       |
| Godhwar range (carts)                | 350   |       |
| Jodhpur Sub-range (maunds)           | 157   | 507   |
| Total receipts                       |       | 507   |
| Grand Total                          |       | 2,100 |

|                                       |       |       |
|---------------------------------------|-------|-------|
| Total balance                         | ...   | 329   |
| Grand Total                           | ...   | 4,651 |
| DISPOSALS—                            |       |       |
| Sold locally.                         |       |       |
| Godhwar range (cart loads)            | 350   | 350   |
| Sojat range                           | 40    | 40    |
| Total                                 | ...   | 390   |
| Removed from the forests by purchase. |       |       |
| Jodhpur Sub-range                     | 225   | 225   |
| Total                                 | ...   | 225   |
| Total disposals                       | ...   | 615   |
| Balance at close of the year.         |       |       |
| Jodhpur                               | 1,584 | 1,534 |
| Total balance                         | ...   | 1,584 |
| Grand Total                           | ...   | 2,199 |

# C H A R C O A L.

|                                      |     |     |
|--------------------------------------|-----|-----|
| Balance at commencement of the year. |     |     |
| Jodhpur Sub-range                    | 41  | 41  |
| Total balance                        | ... | 41  |
| RECEIPTS.                            |     |     |
| I. True receipts.                    |     |     |
| Received from the forests.           |     |     |
| Godhwar range                        | 697 | 697 |

|                                       |     |     |
|---------------------------------------|-----|-----|
| True disposal.                        |     |     |
| Sold locally.                         |     |     |
| Godhwar range                         | 369 | 369 |
| Total                                 | ... | 369 |
| Removed from the forests by purchase. |     |     |
| Jodhpur Sub-range                     | 147 | 147 |

# ANNUAL FORM NO. 56--(Continued.)

Forest Department, Marwar State. Account of Timber and other produce cut or collected by Ry Agency and brought to sale Depots or sold locally during the year 1895-96.

| Particulars.                         | No. or quantity. | Cubic feet. | TOTAL OF EACH HEAD. |             | Particulars.                         | No. or quantity. | Cubic feet. | TOTAL OF EACH HEAD. |             |
|--------------------------------------|------------------|-------------|---------------------|-------------|--------------------------------------|------------------|-------------|---------------------|-------------|
|                                      |                  |             | No. or quantity.    | Cubic feet. |                                      |                  |             | No. or quantity.    | Cubic feet. |
| Total true receipts ...              | ...              | ...         | 697                 | ...         | Total ...                            | ...              | ...         | 117                 | ...         |
| II. Gross receipts.                  | ...              | ...         | ...                 | ...         | Struck off on account of being lost. | ...              | ...         | ...                 | ...         |
| Transferred to other depots.         | ...              | ...         | ...                 | ...         | ...                                  | 14               | ...         | 14                  | ...         |
| Jodhpur Sub-range                    | ...              | 314         | 314                 | ...         | Total ...                            | ...              | ...         | 14                  | ...         |
| Total gross ...                      | ...              | ...         | 314                 | ...         | Total true disposal                  | ...              | ...         | 330                 | ...         |
| Total receipts ...                   | ...              | ...         | 1,011               | ...         | II. Gross disposal.                  | ...              | ...         | ...                 | ...         |
| Grand Total ...                      | ...              | ...         | 1,032               | ...         | Transferred to other depots.         | ...              | ...         | ...                 | ...         |
|                                      |                  |             | ...                 | ...         | Godhwar                              | 314              | ...         | 314                 | ...         |
|                                      |                  |             | ...                 | ...         | Total gross disposal                 | ...              | ...         | 311                 | ...         |
|                                      |                  |             | ...                 | ...         | Total disposal                       | ...              | ...         | 841                 | ...         |
|                                      |                  |             | ...                 | ...         | Balance at close of the year.        | ...              | ...         | 208                 | ...         |
|                                      |                  |             | ...                 | ...         | Jodhpur                              | 208              | ...         | 208                 | ...         |
|                                      |                  |             | ...                 | ...         | Total balance                        | ...              | ...         | ...                 | ...         |
|                                      |                  |             | ...                 | ...         | Grand Total                          | ...              | ...         | 1,052               | ...         |
| Balance at commencement of the year. |                  |             | B A M B O O S.      |             |                                      |                  |             |                     |             |
|                                      |                  |             |                     |             | DISPOSALS--                          |                  |             |                     |             |
|                                      |                  |             |                     |             | I. True disposals.                   |                  |             |                     |             |

|   |     |       |       |   |     |       |       |
|---|-----|-------|-------|---|-----|-------|-------|
| Jodhpur Sub-range                           | ... | 500   | 500   | Removed by purchasers from depots.<br>Jodhpur | ... | 904   | 904   |
| Receipts.                                   | ... |       | 500   | ...   | ... |       | 904   |
| I. True receipt.                            | ... |       |       | Total   | ... |       |       |
| Received from the forests.                  | ... |       |       | Struck off on account of being lost.          | ... |       |       |
| Godhwar range                               | ... | 2,600 | 2,600 | Godhwar range                                 | ... | 118   | 118   |
| Total true receipt                          | ... |       | 2,600 | Total   | ... |       | 118   |
| II. Cross receipts.                         | ... |       |       | Total true disposals                          | ... |       | 1,112 |
| Transferred to other depots.                | ... |       |       | II. Cross disposals.                          | ... |       |       |
| Jodhpur Sub-range                           | ... | 2,482 | 2,482 | Transferred to other depot.                   | ... |       |       |
| Total cross receipts                        | ... |       | 2,482 | Godhwar range                                 | ... | 2,482 | 2,482 |
| Total receipts                              | ... |       | 5,082 | Total cross disposals                         | ... |       | 2,482 |
| Grand Total                                 | ... |       | 5,582 | Total disposals                               | ... |       | 3,504 |
|   |     |       |       | <i>Balance at close of the year.</i>          | ... | 1,988 | 1,988 |
|   |     |       |       | Jodhpur                                       | ... |       |       |
|   |     |       |       | Total balance                                 | ... |       | 1,988 |
|   |     |       |       | Grand Total                                   | ... |       | 5,582 |
| <b>MINOR PRODUCE.</b>                       |     |       |       |   |     |       |       |
| <i>Balance at commencement of the year.</i> |     |       |       | DISPOSALS—                                    |     |       |       |
| Grass—Godhwar range                         | ... | 1,320 | 1,320 | Sold locally.                                 | ... |       | 300   |
| " Sojat "                                   | ... | 1,645 | 1,645 | Godhwar range grass                           | ... |       | 320   |
| Total balance                               | ... |       | 2,974 | Sojat "                                       | ... |       | 620   |
| Receipts.                                   |     |       |       | Total   | ... |       |       |
| Received from the forests.                  |     |       |       | Used departmentally.                          | ... |       |       |
| Godhwar range                               | ... | 1,000 | 1,000 | Godhwar range                                 | ... | 20    | 20    |
| Sojat range grass                           | ... | 198   | 198   | Sojat range                                   | ... | 274   | 274   |
|   |     |       |       | Total   | ... |       | 294   |

**ANNUAL FORM NO. 56—(Continued.)**

*Forest Department, Marwar State. Account of Timber and other produce cut or collected by Raj Agency and brought to sale by the Raj Agency, during the year 1895-96.*

| Particulars.                           | No. or quantity. | Cubic feet. | TOTAL OF EACH HEAD. |             |
|--|------------------|-------------|---------------------|-------------|
|  |                  |             | No. or quantity.    | Cubic feet. |
| <b>Grass collected by milk system—</b> |                  |             |                     |             |
| Godhwar range ...                      | 30 0             |             |                     |             |
| Sojat " ...                            | 657              |             |                     |             |
| <b>Total ...</b>                       |                  |             |                     |             |
|  |                  |             |                     | 911         |
|  |                  |             |                     | 2,009       |
|  |                  |             |                     | 1,936       |
| <b>Total disposal ...</b>              |                  |             |                     |             |
| <i>Balance at close of the year.</i>   |                  |             |                     |             |
| Godhwar range ...                      |                  |             |                     |             |
| Sojat " ...                            |                  |             |                     |             |
| <b>Total balance ...</b>               |                  |             |                     | 1,815       |
| <b>Grand Total ...</b>                 |                  |             |                     | 3,750       |

## Annual Form No. 58.

## Forest Department, Maricar State. Summary of Revenue of Maricar Forests during 1895-96.

| Budget Heads.   | Godhwar range. | Sojat range. | Jodhpore sub-range. | Total. | REMARKS. |
|---|----------------|--------------|---------------------|--------|----------|
| I. Timber and other produce removed from the Forests by Raj Agency ...            |                |              |                     |        |          |
| (a) Timber ...  | 1,003          | 7 12 9       | ...                 | 1,011  | 6 4      |
| (b) Firewood and charcoal ...   | 553            | 2 8 0        | ...                 | 557    | 10 7     |
| (c) Bamboos ...   | 50             | ...          | ...                 | 50     | 4 1      |
| (d) Grass and other minor produce ...   | 1:0 15 3       | 05 2 0       | 147 8 0             | 363    | 9 3      |
| II. Timber and other produce removed from the Forests by purchasers or consumers. |                |              |                     |        |          |
| (a) Timber ...  | 6,731          | 3,776 3 0    | ...                 | 10,507 | 5 9      |
| (b) Firewood and charcoal...  | 1,639          | 123 5 9      | ...                 | 1,762  | 9 0      |
| (c) Bamboos ...   | 794            | 90 8 0       | ...                 | 883    | 14 0     |
| (d) Grazing and fodder grass ...  | 3,711          | 1,219 11 9   | ...                 | 4,930  | 12 4     |
| (e) Other Minor produce ...   | 619            | 157 11 0     | ...                 | 776    | 7 0      |
| III. Confiscated drift and waif-wood.   | 15             | 6 14 0       | ...                 | 21     | 13 0     |
| IV. Revenue from Forests not managed by Raj.                                      |                |              |                     |        |          |
| (a) Duty on foreign timber and other Forest produce                               |                |              |                     |        |          |
| (b) Revenue from shared and private Forests                                       |                |              |                     |        |          |
| V. Miscellaneous.   |                |              |                     |        |          |
| (a) Fines and forfeitures ...   | 526            | 371 5 9      | ...                 | 897    | 11 0     |
| (b) Refunds ...   |                |              |                     |        |          |
| (c) Other sources   |                |              |                     |        |          |
| Add Revenue from Arboriculture  | 16,076         | 5,859 2 0    | 147 8 0             | 22,083 | 9 9      |
| Total   | 39 4 0         | ...          | 1,181 5 0           | 1,220  | 9 0      |
| Grand Total   | 16,116         | 5,859 2 0    | 1,328 13 0          | 23,304 | 8 3      |
| Raipur  | ...            | ...          | ...                 | 4,077  | 11 0     |
| Ghanerao  | ...            | ...          | ...                 | 800    | 1 3      |
| Great Grand Total   | 16,116         | 5,859 2 0    | 1,328 13 0          | 28,181 | 15 0     |

**ANNUAL FORM NO. 58.—(Continued.)**  
**Forest Department, Marwar State. Summary of expenditure of different ranges of Marwar Forests during 1895-96.**

| BUDGET HEADS.   |   |     |     |     |     |     |     |     |     | Direction. |     | Godwar range. |     | Sojat range. |     | Jodhpur sub-range. |     | Total. |     | Remarks. |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|------------|-----|---------------|-----|--------------|-----|--------------------|-----|--------|-----|----------|-----|
| A.—CONSERVANCY AND WORKS.   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| I.—Timber and other produce removed from the Forests by Raj Agency—               |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| (a)   | Timber  | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (b)   | Firewood and charcoal                           | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (c)   | Bamboos   | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (d)   | Grass and other minor produce                   | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| II.—Timber and other produce removed from the Forests by purchasers or consumers— |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| (a)   | Timber  | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (b)   | Firewood and charcoal                           | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (c)   | Bamboos   | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (d)   | Grazing and fodder grass                        | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (e)   | Other minor produce                             | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| III.—Ungrazed land and wast wood—   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| IV.—Revenue from forests not managed by Raj—                                      |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| (a)   | Duty on foreign timber and other forest produce | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (b)   | Revenue from shired and private forests         | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| V.—Rent of leased Forests and payment to share-holders in Forests managed by Raj— |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| VI.—Live stock, stores, tools, and plants—  |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| (a)   | Purchase of cattle                              | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (b)   | Feed and keep of cattle                         | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (c)   | Purchase of tools, stores and plants            | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| VII.—Communications and buildings—  |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| (a)   | Roads and bridges                               | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (b)   | Buildings                                       | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (c)   | Other works                                     | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| VIII.—Demarcation, improvement and extension of forests—                          |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| (a)   | Demarcation                                     | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (b)   | Compensation of land and rights                 | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (c)   | Surveying and working plans                     | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (d)   | Fencing and planting                            | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (e)   | Protection from fire                            | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (f)   | Other works                                     | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| IX.—Miscellaneous—  |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
| (a)   | Refunds   | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (b)   | Law charges                                     | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
| (c)   | Other charges                                   | ... | ... | ... | ... | ... | ... | ... | ... | ...        | ... | ...           | ... | ...          | ... | ...                | ... | ...    | ... | ...      | ... |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |
|   |   |     |     |     |     |     |     |     |     |            |     |               |     |              |     |                    |     |        |     |          |     |

# ANNUAL FORM NO. 58.—(Continued.)

Forest Department, Maricar State. Summary of expenditure of different ranges of Maricar Forests during 1895-96.

| BUDGET HEADS.   |     | Direction. | Godhwar range. | Sojat range. | Jodhpur sub range. | Total. | Remarks. |
|---|-----|------------|----------------|--------------|--------------------|--------|----------|
| B.—ESTABLISHMENT.   |     |            |                |              |                    |        |          |
| I.—Salaries—  |     |            |                |              |                    |        |          |
| (a) Superior establishment  | ... | 2,300      | 300            | 100          | 0 0                | 3,500  | 0 0      |
| (b) Executive establishment   | ... | ...        | 720            | 530          | 0 0                | 1,250  | 0 0      |
| (c) Protective  | ... | ...        | 1,257          | 1,097        | 510                | 2,355  | 0 0      |
| (d) Office  | ... | 1,258      | 153            | 102          | 15 0               | 1,514  | 13 9     |
| (e) Pensionary contribution   | ... | 90         | ...            | ...          | ...                | 90     | 0 0      |
| II.—Travelling allowances—  |     |            |                |              |                    |        |          |
| (a) Superior establishment  | ... | 1,180      | 281            | 14 0         | 15                 | 1,484  | 5 0      |
| (b) Executive   | ... | 60         | 297            | 176          | 7 0                | 523    | 9 10     |
| (c) Protective  | ... | ...        | 3              | 9            | 2 1                | 11     | 12 6     |
| (d) Office  | ... | 112        | 3              | 3            | 13 4               | 110    | 0 10     |
| (e) Keep and feed of conveyance supplied by Raj   | ... | 375        | 75             | 15           | 0 0                | 465    | 0 0      |
| III.—Contingencies—   |     |            |                |              |                    |        |          |
| (a) Stationary  | ... | 58         | 8              | 0            | 10 0               | 73     | 12 3     |
| (b) Carriage of tent and records  | ... | 31         | 3              | 2            | 0 0                | 38     | 0 0      |
| (c) Rents rates and taxes   | ... | 100        | 3              | ...          | ...                | 103    | 14 0     |
| (d) Official postage  | ... | 35         | 20             | 15           | 0 0                | 70     | 0 0      |
| (e) Sundries  | ... | 421        | 13             | 6            | 12 0               | 441    | 2 8      |
| Total B.  |     | 6,616      | 3,342          | 2,081        | 5 1                | 12,040 | 7 11     |
| Total of expenditure A. Conservancy Arboreal culture  |     | 83         | 1,203          | 830          | 14 3               | 2,117  | 11 4     |
| Total Departmental Expenditure  |     | ...        | 1,500          | ...          | ...                | 23,854 | 14 8     |
| Amount spent by Mahakam Khay on Forest compensation and training of students at Forest School |     | 6,700      | 6,136          | 2,012        | 3 6                | 40,013 | 1 11     |
| Total Raj Department  |     | ...        | ...            | ...          | ...                | 3,006  | 12 0     |
| Maipur  |     | 6,700      | 6,136          | 2,012        | 3 6                | 43,019 | 13 11    |
| Chhancro  |     | ...        | ...            | ...          | ...                | 1,298  | 12 0     |
| Grand Total   |     | 6,700      | 6,136          | 2,012        | 3 6                | 44,323 | 2 6      |





# ANNUAL FORM NO. 60.

Forest Department, Marwar State. Revenue received and outstandings on account of Revenue during 1895-96.

| Range.  | Particulars.    | Outstandings at commencement of the year. | Value of sales and other revenue during the year. | Total.      | Amount realized during the year. | Balance due to the department at end of year. | REMARKS.  |
|---------|-----------------|---|---|-------------|----------------------------------|---|---|
| Godhwar | ...             | 993 6 6                                   | 15,495 8 9  | 16,488 15 3 | 16,116 3 3                       | 259 0 0                                       | Rs. 113-12 outstanding on account of annual barks sold by Hakim for last year has been struck off, by order of Mahakua Khm. |
| Sojat   | ...             | 33 0 0                                    | 5,915 10 6  | 5,948 10 6  | 5,859 2 6                        | 89 8 0  |   |
| Jodhpur | ...             | 949 14 10                                 | 1,177 3 6   | 1,517 2 4   | 1,328 13 6                       | 189 4 10                                      |   |
|         | Total ...       | 1,376 5 4                                 | 22,578 6 9  | 23,954 12 1 | 23,304 3 3                       | 536 12 10                                     |   |
| Raipur  | ...             | ...                                       | 4,408 8 6   | 4,408 8 6   | 4,077 11 0                       | 330 13 6                                      |   |
| Ghanero | ...             | ...                                       | 800 1 3   | 800 1 3     | 800 1 3                          | ...   | 0 0   |
|         | Grand Total ... | 1376 5 4                                  | 27,787 0 6  | 29,163 5 10 | 28,181 15 6                      | 867 10 4                                      |   |

## ANNUAL FORM NO. 61

Forest Department, Marwar State. Outstanding and liabilities on account of contractors and disbursers for 1895-96.

| RANGE.                              | DEPARTMENT PRIOR.                    |   |                          | DEPARTMENT CURRENT.                  |                                      |                          | BALANCE DUE.                          |                                      | Remarks. |
|-------------------------------------|--------------------------------------|---|--------------------------|--------------------------------------|--------------------------------------|--------------------------|---------------------------------------|--------------------------------------|----------|
|                                     | At com-<br>mencement<br>of the year. | Excesses in<br>cash and value<br>of supplies and<br>works done<br>during the<br>year. | At close of the<br>year. | At com-<br>mencement of the<br>year. | Payments<br>made during<br>the year. | At close of the<br>year. | To depart-<br>ment (out-<br>standing) | By depart-<br>ment li-<br>abilities. |          |
| Head office                         | ...                                  | 8,273 7 1   | 8,273 7 1                | 351 13 6                             | 8,252 7 7                            | 8,631 5 1                | 380 14 0                              | ...                                  | ...      |
| Lachman Das Asstt. Supt. of Forest, | ...                                  | 1,833 3 0   | 1,833 3 0                | ...                                  | 1,850 0 0                            | 1,850 0 0                | 16 12 6                               | ...                                  | ...      |
| Gopal Chand Forest Ranger           | ...                                  | 3,553 0 10  | 3,553 0 10               | ...                                  | 3,591 0 0                            | 3,561 0 0                | 37 9 5                                | ...                                  | ...      |
| Jagan Nath Forest Ranger            | ...                                  | 2,810 12 10   | 2,810 12 10              | 32 13 8                              | 2,785 0 0                            | 2,817 15 3               | 7 2 5                                 | ...                                  | ...      |
| Puran Chand Forester.               | ...                                  | 23,053 5 8  | 23,053 5 8               | 18 2 1                               | 23,700 11 9                          | 23,718 13 10             | 60 8 2                                | ...                                  | ...      |
| Total                               | ...                                  | 40,120 3 11   | 40,120 3 11              | 402 1 10                             | 40,200 3 4                           | 40,612 2 2               | 482 14 3                              | ...                                  | ...      |

## ANNUAL FORM NO. 62.

Forest Department, Marwar State. Financial results of the year 1895-96.

| RANGE                | TIMBER AND OTHER<br>PRODUCE REMOVED FROM<br>THE FORESTS BY RAJ<br>AGENCY. |          | OTHER REVENUE. |         | Forma-<br>tion pro-<br>tection<br>and im-<br>prove-<br>ment of<br>Forests. | Total.        | REMARKS. |
|----------------------|---|----------|----------------|---------|--|---------------|----------|
|                      | Receipts.   | Charges. | Receipts.      | Charges |  |               |          |
| Godhwar Range        | ...   | ...      | 14,038         | 3,593   | 219  | 16,077 4,546  |          |
| Sojat Range          | ...   | ...      | 5,754          | 2,471   | 347  | 5,859 2,912   |          |
| Jodhpur ...          | ...   | ...      | ...            | ...     | ...  | 148 ...       |          |
| Total ...            | 2,292   | 828      | 19,792         | 6,064   | 566  | 22,084 7,458  |          |
| Direction            | ...   | ...      | ...            | 6,696   | 4  | ... 6,700     |          |
| Miankma Khas         | ...   | ...      | ...            | 970     | 2,037  | ... 3,007     |          |
| Total Raj Department | 2,292   | 828      | 19,792         | 13,750  | 2,607  | 22,084 17,165 |          |
| Raipur               | ...   | ...      | 4,078          | 1,125   | 164  | 4,078 1,289   |          |
| Chhaprao             | ...   | ...      | 800            | 195     | 22   | 800 217       |          |
| Grand Total ...      | 2,292   | 828      | 24,670         | 15,050  | 2,793  | 26,963 18,671 |          |